Stent with Terminal Anchoring Elements

Claims:

1 . Stent (10) with a tubular wall formed from a flexible grid structure and progressing around a longitudinal, flexible tubular axis (26), possessing tube ends (20) disposed at opposite axis ends, wherein the wall is comprised of annular wall segments (11) disposed sequentially along the axis and connected to one another by means of connecting segments (12), and wherein the annular wall segments (11) comprise wall elements (14, 15) with an elastic structure, characterized in that the wall has, on at least one tube end (20, 20'), a flexible, curved anchoring element (22) which is integrally connected with at least two terminal wall elements (14, 15, 14', 15') and bridges at least one elastic wall element (14, 15), and that the curved anchoring element (22) features, at its curve tip (24), a larger radial distance from the tube axis (26) than the terminal wall elements (14, 15).

2. Stent, as recited in Claim 1, characterized in that the curve of the anchoring element (22) is V-shaped.

3. Stent, as recited in Claim 1, characterized in that the curve of the anchoring element (22) has a larger material thickness than the wall elements (14, 15).

4. Stent, as recited in Claim 1, characterized in that the anchoring element bridges at least two wall elements (14, 15).

5. Stent, as recited in Claim 1, characterized in that it has at least three anchoring elements (22).

6. Stent, as recited in Claim 1, characterized in that the curve tip (24) has a radiopaque region.

7. Stent, as recited in one of the preceding claims, characterized in that the curved anchoring element (22) is bent outward in a curved shape in the direction of its tip (24).

8. Stent, as recited in Claim 7, characterized in that the curvature increased in the direction of the curve tip (24).

9. Stent, as recited in one of the preceding claims, characterized in that the wall elements (14, 15) of the wall segments (11) of the opposite tube end (20) feature radiopaque regions (24).

10. Stent, as recited in one of the preceding claims, characterized in that the opposite tube end (20') relative to the tubular axis (26) is radially expanded and has a larger diameter than the center of the stent.

11. Stent, as recited in one of the preceding claims, characterized in that the expansion along the tubular axis (26) begins at at least two annular wall segments (11) before the end.

12. Stent, as recited in one of the preceding claims, characterized in that, at the tube end (20, 20') on at least the terminal wall segment (11) and the wall segment (11) axially disposed in front of it, each wall element (14, 15) of the terminal segment (11) is connected with its element (14, 15), axially disposed in front of it, of the next segment (11) by means of a connecting segment (12).